

TSE Industries Millathane® 76 Millable Polyester Polyurethane Rubber, 60 PHR Carbon Black, N-774 (SRF)

Category : Polymer , Thermoset , Polyester, TS , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Millathane® 76 is a very suitable choice for use in products such as bushings, small copier rolls; automotive applications – bumpers, o-rings, hydraulic seals, belts, gaskets, solid tires – and many other high performance polyurethane applications. Millathane 76 can be vulcanized by sulfur or peroxide cured systems. Formulation Millathane 76 100.0Zinc Stearate0.5Poly AC 617A1.0TP-9510.0Thanecure® ZM1.0MBTS4.0MBT2.0Sulfur1.5N-77460All information provided by TSE Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_TSE-Industries-Millathane-76-Millable-Polyester-Polyurethane-Rubber-60-PHR-Carbon-Black-N-774-SRF.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	
Tensile Strength, Yield	21.50 MPa	3118 psi	
Elongation at Yield	481 %	481 %	
100% Modulus	0.00574 GPa	0.832 ksi	
200% Modulus	0.0117 GPa	1.69 ksi	
300% Modulus	0.01612 GPa	2.338 ksi	
Tear Strength	63.4 kN/m	362 pli	
Taber Abrasion, mg/1000 Cycles	8.0 @Load 1.00 kg	8.0 @Load 2.20 lb	H-18 wheel
Compression Set	54.9 % @Temperature 70.0 °C, Time 79200 sec	54.9 % @Temperature 158 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	11.0 min @Temperature 154 °C	0.183 hour @Temperature 309 °F	

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